(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau

(43) International Publication Date 31 December 2003 (31.12.2003)



PCT

(10) International Publication Number

(51) International Patent Classification7:

WO 2004/001130 A1

D21H 21/48

(21) International Application Number:

PCT/GB2003/002723

(22) International Filing Date:

25 June 2003 (25.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0214645.4

25 June 2002 (25.06.2002)

- (71) Applicant (for all designated States except US): DE LA RUE INTERNATIONAL LIMITED [GB/GB]; De La Rue House, Jays Close, Viables, Basingstoke, Hampshire RG22-4BS (GB).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HARD, Steven, John [GB/GB]; 70A Park lane, Chippenham, Wiltshire SN15 1LW (GB).
- (74) Agents: BUCKS, Teresa, Anne et al.; Boult Wade Tennant, Verulam Gardens, 70 Gray's inn Road, London WC1X 8BT (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,

SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

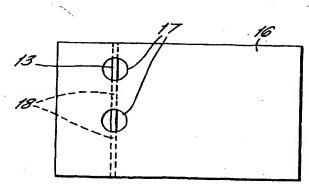
as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE. AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA. CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD. MG, MK, MN, MW, MX, MZ, NI. NO. NZ, OM, PG, PH. PL, PT. RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM). European patent (AT, BE, BG, CH, CY, CZ, DE, DK. EE, ES, FI, FR. GB, GR, HU, IE, IT, LU, MC, NL, PT. RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA. GN. GQ. GW. ML. MR, NE. SN. TD. TG) of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FIBROUS SUBSTRATES



(57) Abstract: The invention relates to improvements in methods of making fibrous substrates and in particular to such substrates containing an elongate impermeable element which can be easily verified through an aperture in the substrate. The substrate has an elongate element partially embedded therein and at least one discrete aperture extending through the fibrous substrate exposing at least a part of the elongate element, wherein at least one edge of the elongate element is exposed in the aperture(s).